



Appl. No. 09/890,752
Amdt. Dated December 17, 2003
Reply to Office Action of June 17, 2003
Replacement Sheet

atgggccgtggcgaaggagctggagcattcgggctgggtttcacccaccgcacggaggccttttggggtggagccctcaggctca
gggcatactacaaactttgccagcaaattcgctctgcctccaccaatgccagacaggaaggcagcctaccccgctgtctccacct
ttgagaaacactcattcctcaggccatgcagtgggaattccacaacctttcacaaactctgcaagatcccagagtggagggcctgtatttc
cctgtggtgggtccagttcaggagcagtaaacctgttcgactactgcctctcccttatcgtaattctctcgaggattggggaccctg
5 cgctgaacatggagaacatcacatcaggattcctaggacccttctcgtgttacaggcggggttttctgttgacaagaatcctcacaat
accgcagagtctagactcgtggtggacttctcctaattttctagggggaactaccgtgtgtcttggccaaaattcgcagtcaccaacctcc
aatcactcaccaacctcctgtctccaacttgcctggttatcgctggatgtgtctcggcggttttatcatcttctcttcatcctgtctgatg
cctcatcttctgttggttcttctggactatcaaggtatgttggcgtttgtcctctaattccaggatcctcaaccaccagcacgggaccatg
ccgaacctgcatgactactgctcaaggaacctctatgtatccctcctgttgctgtaccaaaccttcggacggaaattgcacctgtattccc
10 atcccatcatcctgggctttcggaaaattcctatgggagtgggcctcagcccgtttctcctggctcagtttactagtgccatttgtcagtgg
ttcgtagggtttccccactgtttggctttcagttatatggatgatgtgtattgggggccaagtctgtacagcatcttgagtcccttttac
cgctgttaccaattttctttgtctttgggtatacatttaaacc (SEQ ID NO: 4)

MGRGDGAGAFGLGFTPPHGGLLGWSPQAQGILETL PANPPPASTNRQSGRQPTPLSP
PLRNTHPQAMQWNSTTFHQTLQDPRVRGLYFPAGGSSSGTVNPNVPTTVSPISSIFSRIG
15 DPALNMENITSGFLGPLLVLQAGFFLLTRILTIPQSLDSWWTSNLFLGGTTVCLGQNS
QSPTSNHSPTSCPPTCPGYRWMCLRRFIIFLLCLIFLLVLLDYQGMLPVCPLIPGSS
TTSTGPCRTCTTPAQGTSMYPSCCCTKPSDGNCTCIPISSWAFGKFLWEWASARFS
WLSLLVPFVQWFVGLSPTVWLSVIWMMWYWGPSLYSILSPFLPLLPIFFCLWVYI
(SEQ. ID NO: 1)

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FIG. 1



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atgccatatacgtcaatctctcgaggattggggaccctggatccactactgttcaagcctccaagctgtgccttgggtggctttggggc
atggacatcgacccttataaagaatttggagctactgtggagtactctcgttttgccttctgactctttccttcagtacgagatcttctaga
taccgcctcagctctgtatcgggaagccttagagtctcctgagcattgttcacctaccatactgcactcaggcaagcaattctttgctgg
ggggaactaatgactctagctacctgggtgggtgttaatttgaagatccagaattccgaggcgacgcgtctagagacctagtagtcag
5 ttatgtcaacactaatatgggcctaaagttcaggcaactcttgggtttcacattcttctcacttttgaagagaaaccgttatagagtatt
tggtgtctttcggagtgtggattcgcactcctccagcttatagaccaccaaagccctatcctatcaacacttccggaaactactgttgta
gacgacgaggcaggtcccctagaagaagaactccctcgcctcgcagacgaaggtctcaatcgccgcgtcgcagaagatctcaatct
cgggaaacctcaatgttagtattcc (SEQ ID NO: 3)

MPLSSIFSRIGDPTVQASKLCLGWLWGMDIDPYKEFGATVELLSFLPSDFFPSVRDLL
10 DTASALYREALSPEHCSPHHTALRQAILCWGELMTLATWVGVNLEDPEFRGDASR
DLVVS YVNTNMGLKFRQLLWFHISCLTFGRETVIEYLVSFVWIRTTPPAYRPPNAPIL
STLPETTVVRRRRGRSPRRRTPSPRRRRRSQSPRRRRRSQSREPQC (SEQ ID NO: 2)

FIG. 2

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